CAPITAL IMPROVEMENT Infrastructure (water/sewer/landfill) Last updated: May 8, 2019 89,737,529.00 \$ 5,413,362.00 TOTAL \$ 89,507,029.00 | \$ 52,000.00 178,500.00 \$ 543,000.00 \$ 447,000.00 | \$ 4,423,362.00 | \$ 101 Funds B - Bldg HVAC heating / C - Building NOTE M & I BIA HUD IHS Description Infrastructure cooling) Improvement Other Grant Final costs dependent on water treatment process selected. Will need to **WS Water Treatment Plant** budget for increased M&I costs Facility replacement, construction to start 2022 \$ 41,000,000.00 85,000.00 Finish water pump Raw water pump #2 \$ 10,000.00 Items funded by BIA Jan. 18. Currently in the process of spending funds on SCADA \$ 148,000.00 outlined repairs. HVAC controls \$ 42,000.00 Media filter \$ 58,000.00 Filter bed depth & condition needs 30,000.00 \$ Water wet well transfer pumps need replacement, electrical system upgrades \$ 90,000.00 Purchase 2 finish water pumps plus installation, repair finish water pump #2 90,000.00 Water filter media replacement, achive proper depth for optimal efficiency \$ 29,000.00 Items fundeed by HUD Immiment Threat Grant. Currently in the process of 30,000.00 Carbon dust enclosure replacement \$ spending funds on outlined repairs. Stainless steel water intake screen 48,000.00 replacement \$ Two backwash settling ponds relined \$ 60,000.00 Combined sewage/sampling drains overloading system.Fix. \$ 50,000.00 Administration (general mgmt, indirect 20,000.00 costs, audit) \$ Kah-nee-ta Water 3,500.00 Controls & target \$ Water main repair \$ 5,000.00 Telementry system 75,000.00 HeHe Longhouse Water line extension 250,000.00 Replace septic tank & evaluate drainfield \$ 8,500.00 **WS Wastewater Treatment Plant** \$ 50,000.00 T - 32 / Storage Building T - 33 / Lab & Head works \$ 175,000.00 Heating Supply \$ 6,500.00

CAPITAL IMPROVEMENT Infrastructure (water/sewer/landfill) Last updated: May 8, 2019 89,737,529.00 \$ 5,413,362.00 TOTAL \$ 89,507,029.00 | \$ 52,000.00 178,500.00 \$ 543,000.00 \$ 447,000.00 | \$ 4,423,362.00 | \$ 101 Funds B - Bldg HVAC Αheating / C - Building M & I DUH Other Grant NOTE Description Infrastructure cooling) Improvement BIA IHS \$ 5,000.00 Cooling Emergency generator \$ 12,000.00 Diesel tank (200g) 75,000.00 Auger monster grinder Secondary treatment - upgrade the aeration controls and replace equipment Biosolids drying basin - rehab basin 2018 WS Wastewater Treatment Plant Rehabilitation, Lt. Derek Hancey. UV disinfection - upgrade UV equipment Modification to improve treatment performance and relability. and controls SCADA - install new system Headworks - replace grit collection system and controls secondary clarification - replace broken sludge rake, inspect and service RAS 2018 WS Wastewater Treatment Plant Rehabilitation, Lt. Derek Hancey. \$ 335,000.00 \$ 2,246,000.00 Replace failed equipment Aerobics solids digester - replace inoperable blowers and septage intake grinder pump Startup, commissioning, and operator training Contingency TERO % 2018 WS Wastewater Treatment Plant Rehabilitation, Lt. Derek Hancey. Speciality engineering design services Additional costs Project technical support (approximately 10% of construction) Simnasho/Schoolie Comm. Water System Transmission & storage from new well at \$ 2,515,000.00 2013 Water Treatment Capital Improvement Program НеНе T - 34 / Beaver Creek pumphouse T - 35 / Schoolie booster pumphouse Entry Road - gravel \$ 20,000.00 Gould-Century pump \$ 10,000.00

Heating Supply

Telemetry upgrade \$

Electrical upgrade \$

Propane tank 250g

T - 36 / Simnasho pumphouse

\$

7,000.00

10,000.00

6,000.00

\$

1,500.00

CAPITAL IMPROVEMENT

Infrastructure (water/sewer/landfill)

Last updated: May 8, 2019

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	S		89,737,529.00	\$				5,413,362.00
TOTAL	\$ 89,507,029.00	\$ 52,000.00	\$ 178,500.00	\$ - !	\$ 543,000.00	447,000.00	\$ 4,423,362.00	\$ -
		101 Funds						
		B - Bldg HVAC						
Description	A - Infrastructure	heating / cooling)	C - Building Improvement	M&I	BIA	HUD	IHS	Other Grant NOTE
Description	mirastructure	cooling)	improvement	IVI Cx I	DIA	нов	Ino	Other Grant NOTE
Telemetry upgrade	\$ 5,000.00							
Prepare OM manual for system \$ 16,000.00								2013 Water Treatment Capital Improvement Program
Prepare OM Handarior system	\$ 10,000.00							2013 Water Treatment Capital Improvement Program
Sidwalter Comm. Water System								
T - 37 / Sidwalter pumphouse #1								
Heating- propane		\$ 6,000.00						New heater & propane line needed
Cooling		\$ 5,000.00						Repair/replacement needed to protect well operation
Entry Road - gravel			\$ 20,000.00					All weather surface needed to insure operator access
T - 38 / Sidwalter pumphouse #2								
Heating supply		\$ 5,000.00						Repair/replacement to keep water lines from freezing
Cooling		\$ 3,500.00						Repair/replacement needed to protect well operation
Phase converter		15,000.00						Current Phase converter is antiqueated and is 25 years old
Prepare OM manual for system	\$ 16,000.00							2013 Water Treatment Capital Improvement Program
Simnasho Lagoon System								
Embankment/dike rehab	\$ 50,000.00							Clear vegetation and replace dikes
Capacity expansion	\$ 500,000.00							Addition of new cell
Prepare OM manual for system	\$ 32,000.00							2013 Water Treatment Capital Improvement Program
Kah-nee-ta Lagoon Systems								
Engineering evaluation to assess options								
of upgrading lagoon or replacing with new WWTP	\$ 21,000.00							2013 Water Treatment Capital Improvement Program
Assistance with NPDES permit renewal -	φ 21,000.00							2013 Water Treatment Capital Improvement Program
lobby for reduced effluent limitations from								
	\$ 10,000.00							2013 Water Treatment Capital Improvement Program
Improvements at KNT lagoon awaiting								
new WWTP: aerator, chlorine contact, influent pipeline	\$ 101,400.00							2013 Water Treatment Capital Improvement Program
	\$ 234,000.00							2013 Water Treatment Capital Improvement Program
New WWTP to replace KNT lagoon,	. == .,,,,,,,							
	\$ 2,380,560.00							2013 Water Treatment Capital Improvement Program
Prepare updated OM manual for KNT	\$ 24,000.00							
Embankment/dike rehab	\$ 150,000.00							Clear vegetation and replace dikes
Electrical upgrades	\$ 20,000.00							
Sunnyside Lagoon Systems								

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CAPITAL IMPROVEMENT Infrastructure (water/sewer/landfill) Last updated: May 8, 2019 89,737,529.00 \$ 5,413,362.00 TOTAL \$ 89,507,029.00 | \$ 52,000.00 178,500.00 \$ 543,000.00 \$ 447,000.00 | \$ 4,423,362.00 | \$ 101 Funds B - Bldg HVAC heating / C - Building HUD NOTE Description Infrastructure cooling) M & I BIA IHS Other Grant Improvement Water vault - West Hills (Agency) \$ 375,000.00 Vault replacement Water vault - Kah-nee-tah x 5 18,000.00 Kah-nee-ta Road Improvements Tenino Valley booster pump \$ 100,000.00 Tenino Valley storage tank 250,000.00 Wolfe Point booster pump 125,000.00 250,000.00 Wolfe Point storage tank Fire Hydrants (271) 100,000.00 2,500.00 ea. x 271=677,500 for total replacement. 50,000.00 Ice pigging line/sewer WS Industrial Park Removal of 15 septic tank systems \$ 1,419,144.00 Installation of sewer main line EDA grant to be submitted 2019 45,000.00 Remove wood staved pipe near Miller Heights, currently leaking. Sewer line replacement SIIP (2014): Expansion of one of the electric substations in WS to accomodate major new development. \$ 900,000.00 Elecric power expansion **WS Downtown Campus** PENDING ACTION FROM BIA: Bureau of Indian Affairs - Engineering & Consulting Services of the Warm Springs Agency Campus water and wastewater system. First phase involves examining, analyzing, and assessing costs to remove and replace the water and sewer infrastructure on the Campus Area. Phase 2 involves the creation of construction documents, specifications and an estimate of sufficient detail to allow the government to successfully put the project out to bid and award a construction contract. When construction funds are available, Construction Administration will be performed in Phase 3 (Construction Administration is not a part of this \$ 200,000.00 Design/engineering Scope). Proposed development in this area would require removal and replacement of the existing sewer mains and services and water mains and services, requiring approximately 8,600 lineal feet of new 8-inch sewer main, 30 sewer service connections, 12,700 lineal feet of 8-inch water main, and 30 water Removal/replacement water/sewer mains \$ 3,780,500.00 connections. WS Landfill Decommision/Clean up \$ 26,000,000.00 Transfer & final disposal process, estimated cost. \$ 17,425.00 Waste oil burner Used to dispose of oil, can generate revenue

CAPITAL IMPROVEMENT Infrastructure (water/sewer/landfill) Last updated: May 8, 2019 89,737,529.00 \$ 5,413,362.00 52,000.00 \$ 178,500.00 \$ TOTAL \$ 89,507,029.00 \$ - \$ 543,000.00 \$ 447,000.00 \$ 4,423,362.00 \$ 101 Funds B - Bldg HVAC heating / cooling) C - Building Improvement Description Infrastructure M&I BIA DUH IHS Other Grant NOTE

CAPITAL IMPROVEMENT Infrastructure (water/sewer/landfill) Last updated: May 8, 2019 89,737,529.00 \$ 5,413,362.00 TOTAL \$ 89,507,029.00 | \$ 52,000.00 | \$ | 178,500.00 | \$ - \$ 543,000.00 \$ 447,000.00 \$ 4,423,362.00 \$ 101 Funds B - Bldg HVAC heating / cooling) C - Building Improvement Description Infrastructure M&I BIA DUH IHS Other Grant NOTE